

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS _____ WELL LOG _____ EXPLORATION LOGS _____ FILE ☒ WATER SANDS _____ LOCATION INSPECTED _____ SUB REPORT AND _____

DATE: 8-12-92

LAND BE & PATENTED ☒ PUBLIC LEASE NO. _____

INDIAN _____

DATE APPROVED 9-9-92

SPECIFIED IN _____

COMPLETED _____ FOR TITLING _____

WELL PRODUCTION _____

GPA _____

TYPED _____

TWO ZONES _____

AFTER _____

P. 5. - _____

EX. 2. - _____

FILED _____

WILDCAT

CARBON

JENSEN 14-9

API NO. 43-007-30170

675' FSL

2170' FWL

SE SW

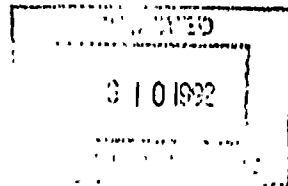
14-14 SEC 9

12S

10E

9

P G & E RESOURCES CO.



August 6, 1992

Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Tammi Searing

Re: PG & E Resources Company
Castlegate Prospect
Application for Temporary Change
of Water
Carbon County, Utah

Dear Tammi,

Enclosed please find one copy of the Application for Temporary Change of Water for PG & E's Castlegate Prospect in Carbon County, Utah.

As you know, several Applications for Permit to Drill have already been submitted and several additional applications will be forthcoming.

In future applications I will reference the Change Application Number (192-91-12 (91 Area)), rather than send additional copies of this application.

If you should need additional information, please feel free to contact me.

Sincerely,

PERMITCO INC.

Lisa L. Smith
Consultant for:
PG & E Resources Company

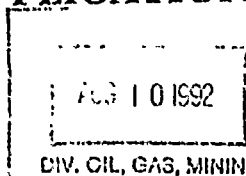
Enc.

cc: PG & E Resources - Dallas, TX
PG & E Resources - Vernal, UT

Permitco Incorporated
A Permitco International Company

13555 Jackson Drive Denver Colorado 80241 (303) 452-8886

APPLICATION FOR TEMPORARY CHANGE OF WATER



STATE OF UTAH

RECEIVED

Rec. by _____

Fee Paid \$ _____

Receipt # _____

Microfilmed _____

Roll # _____

WATER RIGHTS

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3 Utah Code Annotated 1953, as amended.

*WATER RIGHT NO. 91 Area _____ *APPLICATION NO. 92 91 12

Changes are proposed in (check those applicable)

X point of diversion X place of use X nature of use X period of use.

1. OWNER INFORMATION

Name West Hazmat Oil Field Services Inc. *Interest: _____%

Address East Highway 40

City Roosevelt State Utah Zip Code: 84066

2 *PRIORITY OF CHANGE July 31, 1992 *FILING DATE July 31, 1992

Is this change amendatory? (Yes/No) No

3. RIGHT EVIDENCED BY: 91-366, Cort. #a229, Horse Decree First Class

Prior Approved Temporary Change Applications for this right: 191-91-09; 192-91-03; 192-91-04;
192-91-05; 192-91-09; 192-91-10.

HERETOFORE

4 QUANTITY OF WATER: 7.98 cfs and/or _____ ac ft

5 SOURCE: Price River

6 COUNTY: Carbon

7 POINT(S) OF DIVERSION: _____
S. 560 ft. & E. 680 ft. from N¹/₂ Cor. Sec. 1, T14S, R9E, SLB&M.

Description of Diverting Works Concrete diversion dam, earthen ditches

8 POINT(S) OF REDIVERSION

The water has been reddiverted from _____ at a point _____

Description of Diverting Works _____

9 POINT(S) OF RETURN

The amount of water consumed is 7.98 cfs or _____ ac ft

The amount of water returned is _____ cfs or _____ ac ft.

The water has been returned to the natural stream/source at a point(s) _____

*These items are to be completed by the Division of Water Rights.

Temporary Change

10 NATURE AND PERIOD OF USE
Irrigation: From March 1 to November 30
Stockwatering: From _____ to _____
Domestic: From _____ to _____
Municipal: From _____ to _____
Mining: From _____ to _____
Power: From _____ to _____
Other: From _____ to _____

11 PURPOSE AND EXTENT OF USE

Irrigation: 12,576.07 acres Sole supply of 488.10 acres
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): _____

12 PLACE OF USE

Legal description of place of use by 40 acre tract(s) Carbon Canal Delivery System

13 STORAGE

Reservoir Name: _____ Storage Period from _____ to _____
Capacity: _____ ac ft Inundated Area: _____ acres
Height of dam: _____ feet
Legal description of inundated area by 40 tract(s): _____

THE FOLLOWING CHANGES ARE PROPOSED

14 QUANTITY OF WATER _____ cfs and/or 13.0 ac ft

15 SOURCE: 1) Willow Creek 2) Underground Exploratory Wells

Balance of the water will be abandoned: _____, or will be used as heretofore: X

16 COUNTY Carbon

17 POINT(S) OF DIVERSION See Attached Sheet

Description of Diverting Works 1) Portable pump to tank truck 2) Existing 5 1/2" casing,
4425 to 4667 feet deep
COMMON DESCRIPTION 10 miles NE of Helper Matts Summit Quad

18 POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point _____

Description of Diverting Works _____

19 POINT(S) OF RETURN

The amount of water to be consumed is _____ cfs or 13.0 ac ft
The amount of water to be returned is _____ cfs or _____ ac ft
The water will be returned to the natural stream/source at a point(s) _____

20 NATURE AND PERIOD OF USE

Irrigation: From / / to / /
 Stockwatering: From / / to / /
 Domestic: From / / to / /
 Municipal: From / / to / /
 Mining: From / / to / /
 Power: From / / to / /
 Other: From 7 / 31 / 92 to 11 / 30 / 92

21. PURPOSE AND EXTENT OF USE

Irrigation acres Sole supply of acres.
 Stockwatering (number and kind).
 Domestic families and/or persons.
 Municipal (name)
 Mining Mining District at the Mine
 Ores mined
 Power: Plant name Type Capacity
 Other (describe) Exploration drilling, road construction, dust suppression

22 PLACE OF USE

Legal description of place of use by 40 acre tract(s) See Attached Sheet

23 STORAGE

Reservoir Name Storage Period from to
 Capacity ac ft Inundated Area ACRES
 Height of dam feet
 Legal description of inundated area by 40 tract(s)

24 EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose (Use additional pages of same size if necessary).
This Temporary Change Application is being filed to replace t91-91-09 & t92-91-10 to correct the points of diversion and place of use. To date approximately 0.77 AF has been utilized under t91-91-09

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant.

Paul Price
 Signature of Applicant(s)

West Hazmat Oil Field Services Inc.
Temporary Change Application
#192-91-12 (91 Area)
July 31, 1992

#17 Points of Diversion:

Willow Creek:

N. 320 ft. & W. 290 ft. from SE Cor. Sec. 3, T12S, R20E, SLB&M.

Shimmin Trust Wells

Shimmin Trust #1: N. 793 ft. & W. 780 ft. from SE Cor. Sec. 11;
Shimmin Trust #2: S. 1980 ft. & W. 800 ft. from NE Cor. Sec. 14;
Shimmin Trust #3: S. 1980 ft. & E. 1780 ft. from NW Cor. Sec. 14;
Shimmin Trust #4: N. 540 ft. & E. 1900 ft. from SW Cor. Sec. 11;
Shimmin Trust #5: S. 660 ft. & W. 2340 ft. from NE Cor. Sec. 14;
all T12S, R10E, SLB&M

#22 Place of Use:

1210-0806. S. 2400 ft. & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4)
#7-9 Federal: S. 2109 ft. & W. 2038 ft. from NE Cor. Sec. 9 (SW4NE4)
#4-15 Federal: S. 660 ft. & E. 450 ft. from NW Cor. Sec. 15 (NW4NW4)
#4-13 Federal: S. 1174 ft. & E. 1168 ft. from NW Cor. Sec. 13 (NW4NW4)
#9-10 Jensen: N. 2500 ft. & W. 1020 ft. from SE Cor. Sec. 10 (NE4SE4)
#2-16 State: S. 780 ft. & W. 1971 ft. from NE Cor. Sec. 16 (NW4NE4)
#9-16 State: N. 1993 ft. & W. 702 ft. from SE Cor. Sec. 16 (NE4SE4)
#11-10 Jensen: N. 1650 ft. & E. 1650 ft. from SW Cor. Sec. 10 (NE4SW4)
#5-10 Jensen: S. 1680 ft. & E. 660 ft. from NW Cor. Sec. 10 (SW4NW4)
#16-10 Jensen: N. 330 ft. & W. 330 ft. from SE Cor. Sec. 10 (SE4SE4)
#7-15 Jensen: S. 1650 ft. & W. 1650 ft. from NE Cor. Sec. 15 (SW4NE4)
#11-11 Shimmin Trust: N. 2350 ft. & E. 1500 ft. from SW Cor. Sec. 11 (NE4SW4)
#10-11 Shimmin Trust: N. 2300 ft. & W. 1850 ft. from SE Cor. Sec. 11 (NW4SE4)
#12-12 Shimmin Trust: N. 2310 ft. & E. 990 ft. from SW Cor. Sec. 12 (NW4SW4)
#14-12 Shimmin Trust: N. 660 ft. & E. 1980 ft. from SW Cor. Sec. 12 (SE4SW4)
#11-15 Jensen: N. 1850 ft. & E. 1650 ft. from SW Cor. Sec. 15 (NE4SW4)
#16-9 Jensen: N. 1150 ft. & W. 1150 ft. from SE Cor. Sec. 9 (SE4SE4)
#16-15 Federal: N. 990 ft. & W. 990 ft. from SE Cor. Sec. 15 (SE4SE4)
#14-14 Federal: N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 14 (SE4SW4)
#14-16 Federal: N. 990 ft. & W. 990 ft. from SE Cor. Sec. 14 (SE4SE4)
#14-13 Federal: N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 13 (SE4SW4)
All T12S, R10E, SLB&M

Alternate Wells:

#12-9 Jensen: N. 2054 ft. & E. 592 ft. from SW Cor. Sec. 9 (NW4SW4)
#14-9 Jensen: N. 675 ft. & E. 2170 ft. from SW Cor. Sec. 9 (SE4SW4)
#4-16 State: S. 922 ft. & E. 750 ft. from NW Cor. Sec. 16 (NW4NW4)
#11-16 State: N. 1980 ft. & E. 1980 ft. from SW Cor. Sec. 16 (NE4SW4)
All T12S, R10E, SLB&M

STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: 192-91-12

1. July 31, 1992 Change Application received by BW.
- 2 July 31, 1992 Application designated for APPROVAL by MP.
3. Comments:

Conditions:

This application is hereby APPROVED, dated July 31, 1992, subject to prior rights and this application will expire on November 30, 1992



for Mark Page, Area Engineer
for
Robert L Morgan, State Engineer



Norman H. Bangerter, Governor
Dae C. Hansen, Executive Director
Robert L. Morgan, State Engineer.

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Pined, UT 84501 • 2718 • 801-637-1303

July 31, 1992

West Hazmat Oil Field Services Inc.
Attn: Dale Price
East Highway 40
Roosevelt, Utah 84066

Re: Temporary Change Application #192-91-12
Expiration Date: November 30, 1992

Dear Mr. Price:

The above referenced Temporary Change Application is hereby approved, and a copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

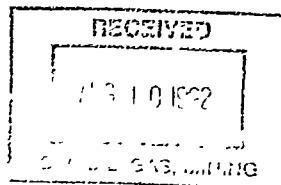
Sincerely,

William A. Wrench

Mark P. Page
Regional Engineer

cc: Bob Davis - Price River Commissioner

Enclosures
HPP/mjk





August 10, 1992

Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203
Attn: Tammi Searing

Re: PG & E Resources Company
#14-9 Jensen
675' FSL and 2170' FWL
SE SW Sec. 9, T12S - R10E
Carbon County, Utah

Dear Tammi,

Enclosed please find three copies of the A.P.D. on the above mentioned well along with three copies of the drilling program. A temporary change application is on file with the Division of Water Rights, Price, Utah for use of the proposed water sources.

Please forward approved copies of the A.P.D. to Jim LaFevers at the following address:

PG & E Resources Company
5950 Berkshire Lane, Suite 600
Dallas, TX 75225

If you should need additional information, please feel free to contact me.

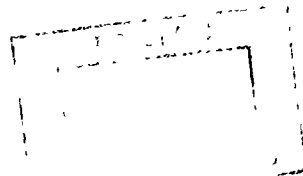
Sincerely,

PERMITCO INC.

Lisa L. Smith
Consultant for:
PG & E Resources Company

Enc.

cc. PG & E - Dallas, TX
PG & E - Vernal, UT



Permitco Incorporated
A Petroleum Permitting Company

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other sections on reverse side)

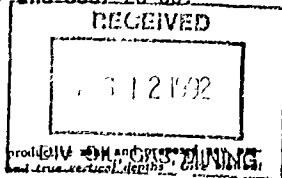
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work Drill <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		3. Lease Designation and Serial No. Fee
b. Type of Well Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Coalbed Methane <input checked="" type="checkbox"/> Sinter Zone <input checked="" type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name N/A
7. Name of Operator 214/750-3800 PG & E Resources Company		7. Unit Agreement Name N/A
8. Address of Operator 303/452-8888 13585 Jackson Drive Denver, CO 80241		8. Farm or Lease Name Jensen
9. Location of Well (Report location exactly with a description of any data requirements) At surface 675' FSL and 2170' FWL		9. Well No. #14-9
10. Location of Well (Report location exactly with a description of any data requirements) At surface 675' FSL and 2170' FWL		10. Right and Pool, or Wellhead Identical
11. Sec. T. R. M. or P.M. and Survey or Area Sec. 9, T12S - R10E		11. Sec. T. R. M. or P.M. and Survey or Area Sec. 9, T12S - R10E
12. Distance in miles and direction from nearest town or post office 15 miles north of Price, Utah		12. County or Parish 13. State Carbon Utah
13. Distance from previous location to nearest property or lease line ft. (Also to nearest d.c. line if any) 675'		14. No. of acres P. lease 320
15. Distance from proposed location to nearest well or drilling completed or applied for on this lease ft. 2000'		16. No. of acres assigned to this well 160
17. Distance from proposed location to nearest well or drilling completed or applied for on this lease ft. 2000'		18. Proposed depth 4835'
19. Elevation (show whether DT RT GR etc.) 7413' GR		19. Rotary or cable tools Rotary
20. Elevation (show whether DT RT GR etc.) 7413' GR		20. Approx. date work will start Immediately upon approval of this application
21. PROPOSED CASING AND CEMENTING PROGRAM		
Size of Hole	Size of Casing	Weight per foot
12-1/4"	8-5/8"	24#
17-7/8"	5-1/2"	17#
500'	490'	350' by 10" casing to circ to surf.
4835'	490'	stage tool at 3200'

PG & E Resources Company proposes to drill a well to 4835' to test the Blackhawk and Star Point Coals for coalbed methane. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per the State of Utah requirements.

See Drilling Program attached.

Bond coverage for this well is provided under Bond No 8063-38-07 and 8057-26-00.



14. ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present production and proposed production. If proposal is to drill or deepen directional, give pertinent data on subsurface locations and measured and true vertical depths. If any preventer program, if any.

21. Consultant for PG & E Resources Company		Date. 8/10/92
Signature: <i>[Signature]</i>		Title: <i>[Signature]</i>
(This space for Federal or State office use)		
Permit No. 43 337-30170	Approval Date 11/9/92	Signature: <i>[Signature]</i>
Approved by: <i>[Signature]</i>		
Conditions of approval if any		

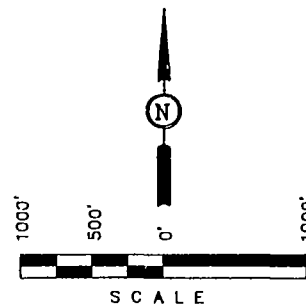
T12S, R10E, S.L.B.&M.

PG&E RESOURCES COMPANY

Well location, #14-9 JENSEN, located as shown in the SE 1/4 SW 1/4 of Section 19, T12S, R10E, S.L.B.&M. Carbon County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP LOCATED IN THE N 1/2 OF SECTION 18, T12S, R10E, S.L.B.&M. TAKEN FROM THE MATTS SUMMIT QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY SAID ELEVATION IS MARKED AS BEING 7643 FEET



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED 7-6-92	DATE DRAWN 7-14-92
PARTY GS RS JLG	REFERENCES GLO PLAT	
WEATHER WARM	FILE PG&E RESOURCE	

N89°30'W - 41.13 (G.L.O.)

N89°23'W - 40.94 (G.L.O.)

N0°37'E - 41.54 (G.L.O.)

N0°14'E - 40.23 (G.L.O.)

9

N0°17'E - 40.18 (G.L.O.)

N0°37'E - G.L.O. (Basis of Bearings)
2742.96' (Measured)

2170'

#14-9 JENSEN

Elev. Ungraded Ground = 7413'

675'

N88°35'10"E - 2727.15' (Meas)

S88°42'W 41.34 (G.L.O.)

LEGEND.

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD

▲ = SECTION CORNERS LOCATED (1923 Brass Caps)

DRILLING LOCATION ASSESSMENT

State of Utah Division of Oil, Gas and Mining

OPERATOR: PG&E RESOURCES CO. WELL NAME: #14-09 JENSEN
SECTION: 9 TWP: 12S RNG: 10E LOC: 675 FSL 2170 FWL
QTR/QTR SE/SW COUNTY: CARBON FIELD: COALBED METHANE
SURFACE OWNER: JERRY JENSEN
SPACING: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL
GEOLOGIST: BRAD HILL DATE AND TIME: 7/20/92 10:45

PARTICIPANTS: Lisa Smith-Permitco, Jerry Jensen-Landowner, Robert Kay-Uintah Engineering

REGIONAL SETTING/TOPOGRAPHY: The proposed location is on the western edge of the Book Cliffs physiographic province. It is located on the Flagstaff dip slope in a fairly flat area.

LAND USE:

CURRENT SURFACE USE: Domestic grazing and wildlife habitat.

PROPOSED SURFACE DISTURBANCE: The proposed pad is rectangular in shape with approximate dimensions of 340'X 200' including a 130'X 50' reserve pit. Approximately .4 miles of new road will be constructed for access.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sage, Broomweed, Rabbitbrush, Iris, Bunch grass/Cows, Deer, Elk, Rabbits, Rodents, Birds

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Clayey-silt with occasional limestone fragments.

SURFACE FORMATION & CHARACTERISTICS: Quaternary alluvium and Flagstaff Limestone

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Blackhawk-3617', Aberdeen-4535'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: As per land owner instructions.

RESERVE PIT

CHARACTERISTICS: A rectangular reserve pit will be constructed with approximate dimensions of 130'X 50'X 10'.

LINING: The reserve pit is to be evaluated after construction to determine if a synthetic liner is needed.

MUD PROGRAM: 0-500'-air/spud mud; 500'-3500'-FW w/Gel Sweeps; 3500'-4835'-FW-LSND

DRILLING WATER SUPPLY: Drilling water will be from the existing Shimmins Trust wells.

STIPULATIONS FOR APD APPROVAL

The reserve pit is to be inspected after construction to determine if a synthetic liner is required.
The pad is to be bermed on the downhill side to prevent run off from the location.

ATTACHMENTS

Photographs will be placed on file.

CONFIDENTIAL - TIGHT HOLE

#14-9 JENSEN
675' FSL and 2170' FWL
SE SW Sec. 9, T12S - R10E
Carbon County, Utah

Prepared For:

PG & E RESOURCES COMPANY

By:

PERMITCO INC.
13585 Jackson Drive
Denver, Colorado 80241
303/452-8888

Copies Sent To:

3 - Division of Oil, Gas & Mining
1 - PG & E Resources Co. - Vernal, Utah
3 - PG & E Resources Co. - Dallas, Texas



1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>
Flagstaff	Surface
Price River	2809'
Castlegate	3263'
Blackhawk	3617'
Aberdeen (S.P. II)	4535'
T.D.	4835'

2. Casing Program

The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>
Surface	0-500'	12-1/4"	8-5/8"	24#	K-55
Produc.	0-4835'	7-7/8"	5-1/2"	17#	N-80

Casing design subject to revision based on geologic conditions encountered.

3. Cement Program

The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-500'	Cement to surface with 350 sx Premium Cement + 2% CaCl ₂ + 0.25 #/sk Flocele (or equivalent). Centralizers will be run on bottom 3 joints plus every 4th joint to surface.

Production

Type and Amount

Two stage cement to surface w/stage tool at 3200'. First Stage: 290 sx 50/50 Pozmix + 2% Gel + .25% Flocele. Second Stage: 200 sx Silica Lite + 4% Gel + 4% CaCl₂.

4. Drilling Fluids

The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>FL</u>	<u>PH</u>
0-500'	Air/Spud Mud	8.4-9.0	32-50	N/C	8.0-9.0
500-3500'	FW w/Gel Sweeps	8.4-8.8	28-32	N/C	8.0-9.0
3500-4835'	FW-LSND	8.6-9.0	34-45	10-15	8.0-9.0

5. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are planned.
- b. The logging program will consist of a Cased Hole Dual Spaced Neutron w/Gamma Ray, 2" & 5" from T D to Base of Surface Casing and an Acoustic CBL/CCL, - 5" from T. D. to Base of Surface casing.
- c. Rotary sidewall cores will be run if needed after log evaluation.

6. Spud Date/Drilling Time

- a. Drilling is planned to commence upon approval of this application.

- b. It is anticipated that the drilling of this well will take approximately 16 days (4 days - Spudder rig; 12 days Drill rig).

7. Road Use/Water Source

- a. All access is located on Private or County Roads. The Carbon County Road Department has been contacted for use of County Roads. Surface use agreements will be reached with the other land owners for use of access road and drillsite.
- b. Produced water from five producing wells in the immediate area will be used for drilling. The location of the existing water pits are as follows.
 - 1) N 540' E 1900' from SW cor , Sec. 11, T12S - R10E
 - 2) N 793' W 780' from SE cor . Sec. 11, T12S - R10E
 - 3) S 1980' E 1780' from NW cor., Sec. 14, T12S - R10E
 - 4) S 660' W 2340' from NE cor . Sec. 14, T12S - R10E
 - 5) S 1980' W 800' from NE cor . Sec. 14, T12S - R10E

The proposed water sources are located on private lands. A Temporary Change application has been filed with the Utah Division of Water Rights for use of these water sources Permit #t92-91-12.

8 BOP Requirements

PG & E's minimum specifications for pressure control equipment are as follows:
Ram Type: 10" Hydraulic double, 2000 psi w.p

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more

than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

- a. The size and rating of the BOP stack is shown on the attached diagram.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.

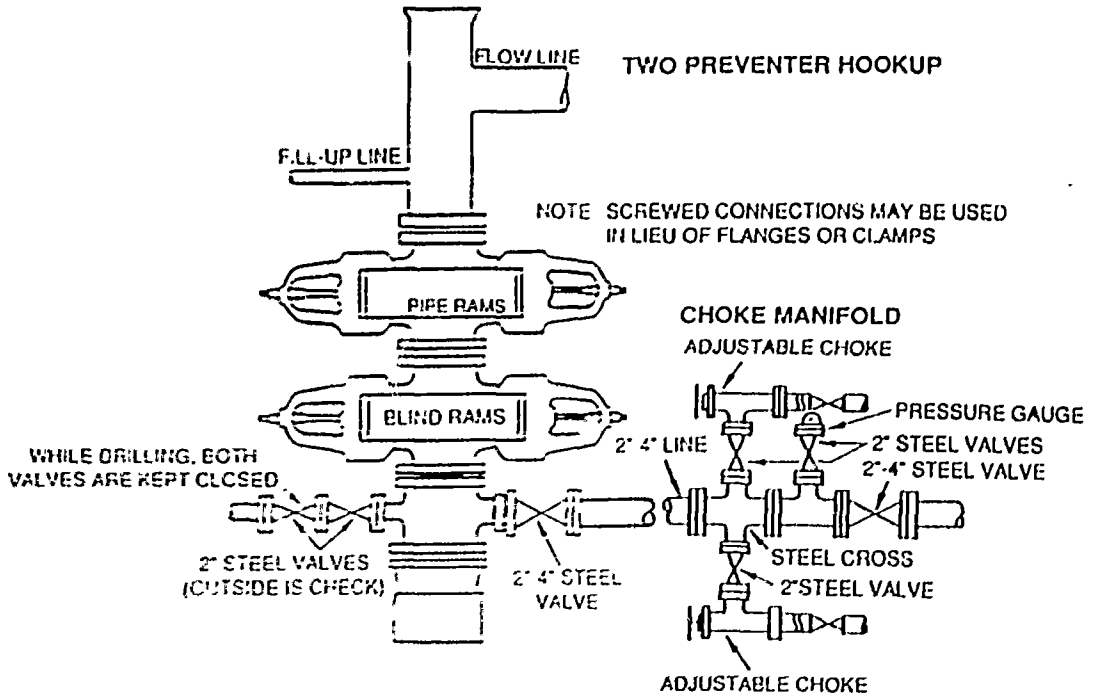
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

9. Anticipated Pressures

- a. The expected maximum bottom hole pressure is 2098 psi (.434 psi/ft). The maximum surface pressure is 1034 psi (based on partially evacuated hole at 0.22 psi/ft.)
- b. No hydrogen sulfide gas or abnormal pressures are anticipated.

PG&E RESOURCES COMPANY

TYPICAL 2,000 PSI BLOWOUT PREVENTER SCHEMATIC



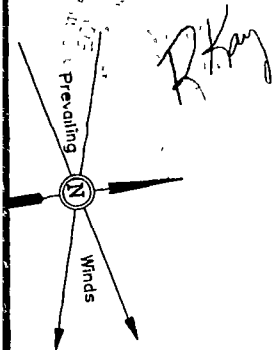
P G. & E RESOURCES CO

LOCATION LAYOUT FOR

#14-9 JENSEN

SECTION 9, T12S, R10E, S.L.B. & M.

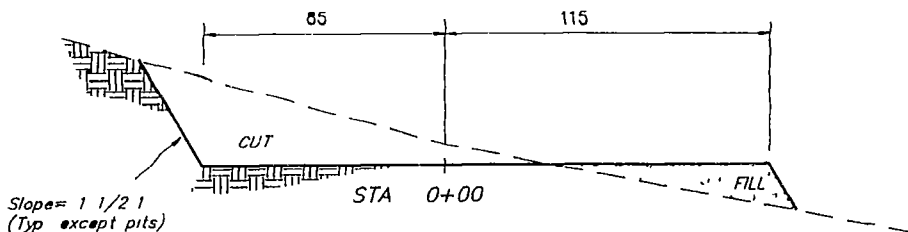
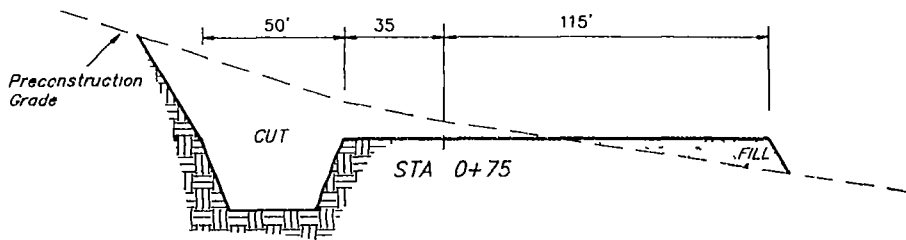
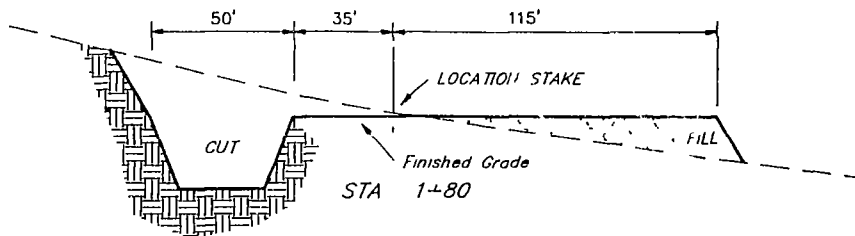
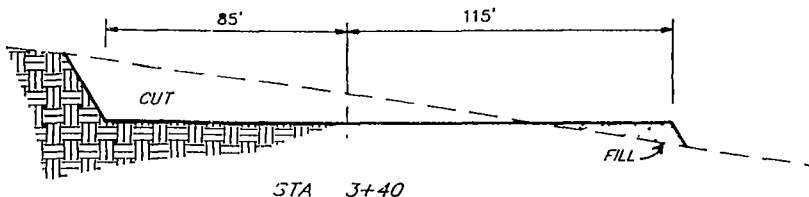
675' FSL 2170' FWL



SCALE. 1" = 50'

DATE 7-14-92

Drawn By REH



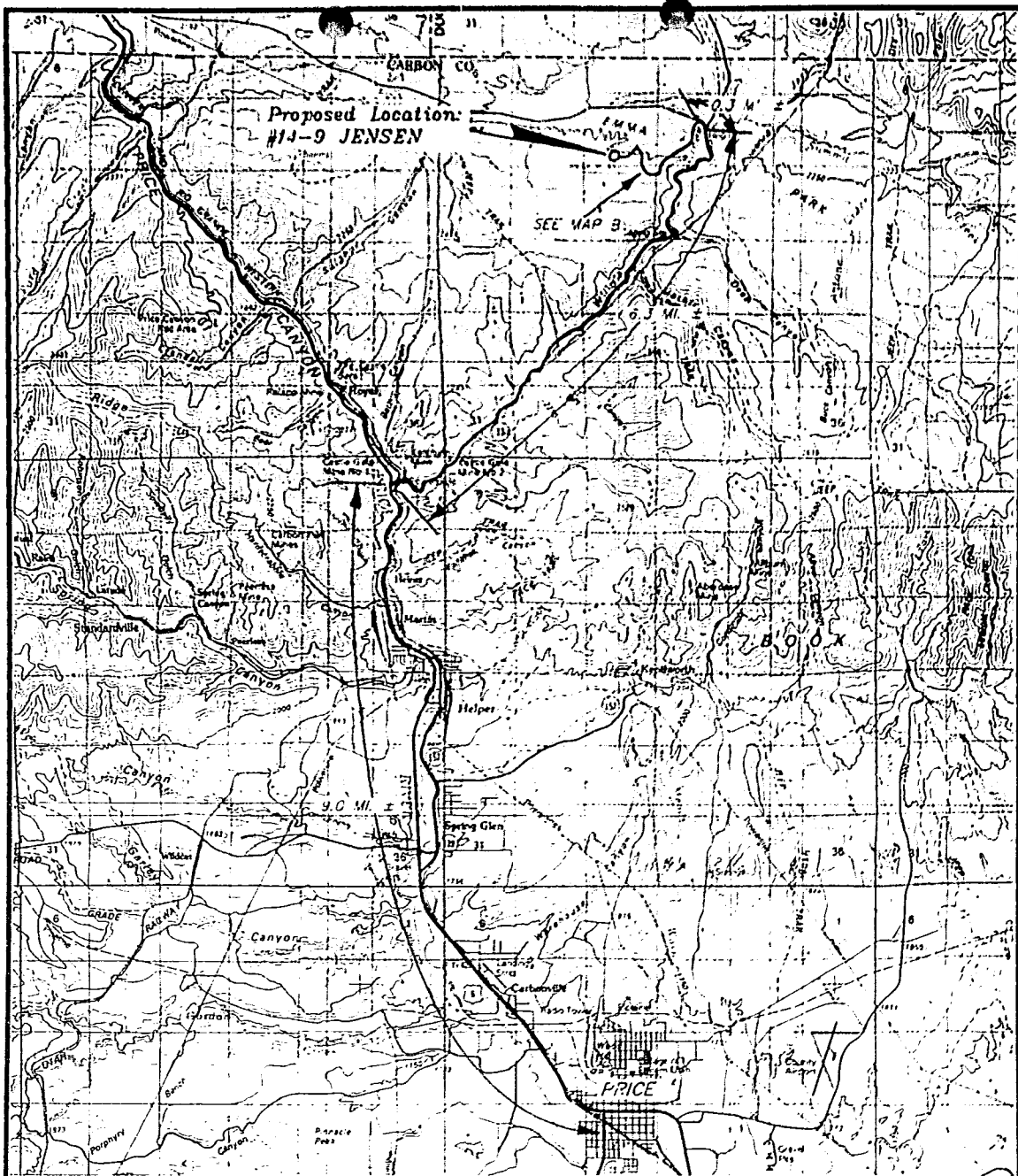
TYP. LOCATION LAYOUT
TYP. CROSS SECTIONS

UNGRADED GROUND AT LOC STAKE = 7413.1'

GRADED GROUND AT LOC STAKE = 7412.4'

UINTAH ENGINEERING & LAND SURVEYING

85 So 200 East Vernal, Utah



TOPOGRAPHIC
MAP "A"

DATE 7-16-92 JLD

N

PG&E RESOURCES COMPANY

#14-9 JENSEN

SECTION 9, T12S, R10E, S14B.&M.

675' FOL 2170' FNL

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 08/12/92

OPERATOR: PG & E RESOURCES COMPANY
WELL NAME: JENSEN 14-9

OPERATOR ACCT NO: N- 0595

API NO. ASSIGNED: 13 - 077 - 30170

LEASE TYPE: FEE LEASE NO: 711
LOCATION: SESW 09 - T12S - R10E CARBON COUNTY
FIELD: WILDCAT FIELD CODE: 001

RECEIVED AND/OR REVIEWED:

✓ Plat
✓ Bond
✓ (Number 138791-5 67 777)
✓ Potash (Y/N)
✓ Oil shale (Y/N)
✓ Water permit
✓ (Number 1491-12 2001)
✓ RDCC Review (Y/N)
✓ (Date: 8/2/92)

LOCATION AND SITING:

___ R649-2-3. Uni'.
✓ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no:
___ Date:

COMMENTS: 1. See map of location 14-9

2. Inside 14-9, Biology 8/18/92

STIPULATIONS:

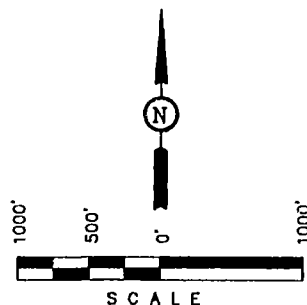
1. Stipulation
2. The reserve pit should be inspected after construction to determine if a synthetic liner is required.
3. The downhill side of the location should be bermed to prevent runoff from the location.

PG&E RESOURCES COMPANY

Well location, #14-9 JENSEN, located as shown in the SE 1/4 SW 1/4 of Section 19, T12S, R10E, S.L.B.&M. Carbon County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP LOCATED IN
THF N 1/2 OF SECTION 16, T12S, R10E, S.L.B. ~~44~~
TAKEN FROM THE MATTS SUMMIT QUADRANGLE, UTAH,
7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED
BY THE UNITED STATES DEPARTMENT OF THE INTERIOR,
GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED
AS BEING 7643 FEET



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

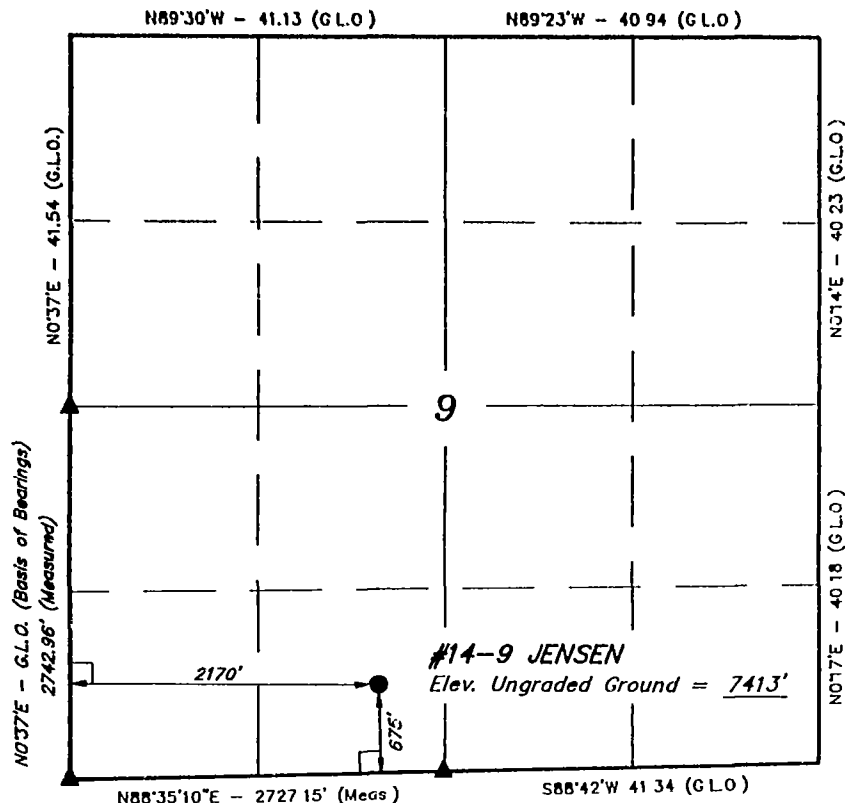
REGISTERED LAND SURVEYOR
REGISTRATION NO 5709
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED 7-8-92	DATE DRAWN 7-14-92
PARTY GS RS JLG	REFERENCES GLO PLAT	
WEATHER WARM	FILE PG&E RESOURCES	



LEGEND:

- L = 90° SYMBOL
 ● = PROPOSED WELL HEAD
 ▲ = SECTION CORNERS LOCATED (1923 Brass Caps)

Don - [signature]

FYI
- FRM
- TAS
- LWP

V. PRIVATE ENTITIES

16. UT920901-010

Hercules Aerospace Company: Open Burning of Titan IV Solid Rocket Motor - Utah Test And Training Range - Environmental Assessment This is not the complete document; if additional information is needed, please contact OPB. Please note! Due to the short turnaround please have comments to OPB no later than 9-18-92.

VI. LOCAL GOVERNMENT

17. UT920826-010

Wasatch Front Regional Council/Salt Lake County 5600 West Draft Environmental Impact Statement - Proposed improvements to a 12-mile section of 5600 West Comments due 9-15-92

VII. SHORT TURNAROUND

***Please Note! Due to the short turnaround please comment directly to the Agency with a copy to OPB.**

A State

18 UT920828-030

Frontier Exploration

Division of Oil, Gas & Mining/Tooele County Application for Permit to Drill - Proposal to drill a wildcat well, the Clegg 1-1 well, on a private lease (Sec 1, T3S, R5W) Comments due 9-11-92

19 UT920828-020

PG 1 C

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Federal No 16-15 well, on federal lease UTU-65949 (Sec 15, T12S, R10E) Comments due 9-11-92

20. UT920818-010

PC & E

Division of Oil, Gas & Mining/Carbon County: Application for Permit to Drill - Proposal to drill a wildcat well, the Shimmin No. 10-11 well, on a private lease (Sec. 11, T12S, R10E). Comments due 9-8-92.

1570

21. UT920818-020

PG & E

Division of Oil, Gas & Mining/Carbon County: Application for Permit to Drill - Proposal to drill a wildcat well, the Shimmin No. 12-12 well, on a private lease (Sec. 12, T12S, R10E). Comments due 9-8-92.

121

22. UT920818-030

PG & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Shimmin No. 11-11 well, on a private lease (Sec. 11, T12S, R10E). Comments due 9-8-92.

1630

23. UT920818-040

PC & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Jensen No 12-9 well, on a private lease (Sec 9, T12S, R10E). Comments due 9-8-92

121

24. UT920818-050

PG & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Jensen No 14-9 well, on a private lease (Sec. 19, T12S, R10E) Comments due 9-8-92 43 07-30170

121

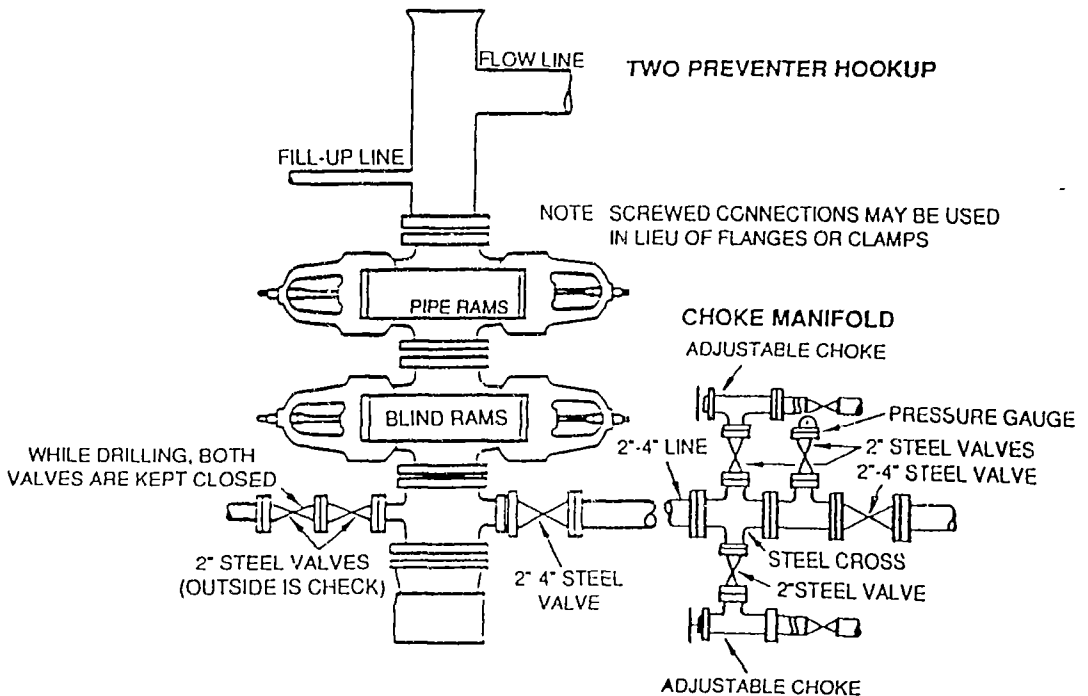
25. UT920818-060

PC & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Jensen No 16-9 well, on a private lease (Sec 9, T12S R10E) Comments due 9-8-92

PG&E RESOURCES COMPANY

TYPICAL 2,000 PSI BLOWOUT PREVENTER SCHEMATIC



SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

WILLIAM D HOWELL
Executive Director

P O Drawer
1106

• Price, Utah 84501 • Telephone 637 5444

AREAWIDE CLEARINGHOUSE A-95 REVIEW

14 01 07

NOI ___ Preapp ___ App ___ State Plan ___ State Action X Subdivision ___ (ASP # 8-819-15, 16, 17, 18, 19, 20, 21, 22, 23)

Other (Indicate) _____ SAI Number UT 8-819-15-16-17-18-19-20-21-22-23

Applicant (Address, Phone Number).

Federal Funds
Requested _____

Oil, Gas and Mining
355 West North Temple
3 Triad Center, Ste 350
Salt Lake City, Utah 84180-1203

Title.

APPLICATION FOR PERMIT TO DRILL

RECEIVED

SEP 02 1992

DIVISION OF
OIL GAS & MINING

- ☒ No comment
☐ See comments below
☐ No action taken because of insufficient information
☐ Please send your formal application to us for review Your attendance is requested ☐

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments

Marilyn L. Hagan
Authorizing Official

8-31-92
Date



State of Utah

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING

Norman H. Rungtger
Governor
Dore C. Hansen
Commissioner
Dante R. Nielson, PhD
Division Director

355 West North Temple
3 Trade Center Suite 350
Salt Lake City, Utah 84103-1203
801 536 5340

September 9, 1992

PG & E Resources Company
5950 Berkshire Lane #600
Dallas, Texas 75225

Gentlemen:

Re: Jensen #14-9 Well, 675 feet from the south line, 2170 feet from the west line, SE 1/4 SW 1/4, Section 9, Township 12 South, Range 10 East, Carbon County, Utah

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Logged-Back, approval to drill the referenced well is hereby granted

In addition, the following specific actions are necessary to fully comply with this approval:

1. PG & E Resources Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the division is notified by letter of a new bonded principal
2. The reserve pit should be inspected after construction to determine if a synthetic liner is required
3. The downhill side of the location should be bermed to prevent runoff from the location
4. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules
5. Notification within 24 hours after drilling operations commence

Page 2
PG & E Resources Company
Jensen #14-9 Well
September 9, 1992

6. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change
7. Submittal of the Report of Water Encountered During Drilling, Form 7
8. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068
9. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-007-30170.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc Bureau of Land Management
J.L. Thompson
WOI1



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Trade Center Suite 350
Salt Lake City, Utah 84103-1203
801 538 5347
801 359 3940 (Fax)
801 538 5319 (TDD)

February 14, 1994

PG & E Resources Company
5950 Berkshire Lane, #600
Dallas, Texas 75225

Re: Application for Permit to Drill
Well No. Jensen 14-9
SESW, Sec. 9, T. 12S, R. 10E
Carbon County, Utah
API No. 43-007-30170

Dear Sirs:

Your referenced application submitted for approval was approved January 31, 1990. In accordance with R.649-3-4-4, the Division rescinds its approval of the referenced application.

In order to drill this well in the future, a new application will have to be submitted.

Yours truly,

Frank Matthews
Petroleum Engineer

cc. R J Firth
State Lands and Forestry
Well file

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

1	ADMINISTERING STATE AGENCY OIL, GAS AND MINING 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203	2 STATE APPLICATION IDENTIFIER NUMBER: (assigned by State Clearinghouse)
		3 APPROXIMATE DATE PROJECT WILL START: Upon approval
4	AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS (to be sent out by agency in block 1) Southeastern Utah Association of Governments	
5	TYPE OF ACTION <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Permit <input type="checkbox"/> License <input type="checkbox"/> Land Acquisition <input type="checkbox"/> Land Sale <input type="checkbox"/> Land Exchange <input type="checkbox"/> Other _____	
6	TITLE OF PROPOSED ACTION Application for Permit to Drill	
7	DESCRIPTION PG & E Resources Company proposes to drill a wildcat well, the Jensen #14-9 well on a private lease in Carbon County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The DOGM is the primary administrative agency in this case and must issue approval to drill before operations can commence.	
8	LAND AFFECTED (site location map required) (indicate county) SE/4, SW/4, Section 19, Township 12 South, Range 10 East, Carbon County, Utah	
9	HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED? Unknown	
10	POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR No significant impacts are likely to occur	
11	NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE	
12.	FOR FURTHER INFORMATION, CONTACT Frank R. Matthews PHONE 538-5340	13 SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL DATE 8-14-92


Perdum Engineer